

LASER UNIT

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ABSTRACT OF THE DISCLOSURE

A laser unit which is reliable and has a simple structure. The laser unit includes a shutter having a reflective member for reflecting a laser beam, a motor for moving the shutter between a position in an optical path of the laser beam and a position out of the optical path, a shutter position control for commanding the motor, and an encoder for detecting a rotational position of the motor. By monitoring a condition of the shutter based on a rotational position of the motor for driving the shutter, it is unnecessary to provide a separate sensor for detecting the position of the shutter or a detecting device for detecting a laser beam, which may be malfunction, and the number of necessary sensors may be decreased.